X9009 – WIRELESS SYSTEM
DESCRIPTION

X-1.1 General

a. This work shall consist of furnishing and installing a wireless system as detailed on drawings. This work shall be installed at locations in accordance with the dimensions, design, and details shown in the Contract Documents.

b. Each and all items of the wireless transmitter shall be listed as a product of a SINGLE manufacturer under the appropriate category by the Underwriters' Laboratory, Inc. (UL), and shall bear the "UI2 label. All items in the access control system shall be listed under UL 10-86. Partial listing shall NOT be acceptable.

c. The system controls shall be UL listed for Power Limited Applications per NEC 725. All circuits must be marked in accordance with NEC article 725-11.

d. Shop drawings shall be submitted as previously specified. Wireless system shop drawings shall include, but not be limited to:

1. System component description including manufacturer, catalog number, and UL listing.
2. Complete wiring diagrams for system including system components furnished by others but wired to system. Wiring diagrams shall be job specific.
3. List of recommended spare parts.

EQUIPMENT AND MATERIALS

X-2.1 Manufacturer

a. Wireless equipment shall be manufactured by Wyreless Access, Trango, or equal. Wyreless Access equipment is noted or specified herein and their equipment specifications establish a level of quality to be met by all equal manufacturers.

X-2.2 Equipment

a. Panel Interface Module shall be a Wyreless Access model PIM-TD2 with the following features:
1. Weather tight enclosure
2. Proximity card interface.

b. Wireless Reader Interface shall be a Wyreless Access model WRI-100-OTD with the following features:
1. Weather tight enclosure
2. Interfaces with all access control door and gate peripheral devices.

c. Gain antenna shall be a Wyreless Access model ANT-REM+6dB.

d. Outdoor/Indoor antenna shall be a Wyreless Access model ANT-REM-I/O.

CONSTRUCTION METHODS

X-3.1 General. Furnish, install, and connect all equipment, materials, and incidentals necessary to place the wireless system in operation as a complete unit.